

LISTING OF THE CLAIMS

1. (PREVIOUSLY PRESENTED) A substance carrier comprising hollow nanoparticles of a particle-forming protein, the hollow nanoparticles displaying an antibody against a specific cell or specific tissue, and encapsulating a substance to be transferred into a cell for treating a disease,

the antibody being a cancer specific antibody or anti-virus protein antibody, and the particle-forming protein including a modified hepatitis B virus surface-antigen L-protein.

2. (CANCELLED).

3. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the antibody is displayed on a particle surface by binding to a ZZ tag fused with the particle-forming protein.

4. (CANCELLED).

5. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the antibody is a single chain antibody fused with the particle-forming protein.

6. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the hollow nanoparticles of a particle-forming protein are expressed in a eukaryotic cell.

7. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 6, wherein the eukaryotic cell is selected from a group consisting of a yeast cell, insect cell, and animal cell.

8. (CANCELLED).

9. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the modified hepatitis B virus surface-antigen L protein is modified to lack some of amino acids in a pre-S region.

10-13. (CANCELLED).

14. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the disease-treating substance comprises a gene.

15. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 14, wherein the gene comprises a thymidine kinase (HSV1tk) gene

derived from simple herpes virus.

16-21. (CANCELLED).

22. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the antibody is displayed on a particle surface by binding to a ZZ tag fused with the particle-forming protein.

23. (CANCELLED).

24. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the antibody is a single chain antibody fused with the particle-forming protein.

25. (PREVIOUSLY PRESENTED) The substance carrier as set forth in claim 1, wherein the hollow nanoparticles of a particle-forming protein are expressed in a eukaryotic cell.

26-28. (CANCELLED).

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